

**Abstract:****Method for the preparation of polyester resins with nanoscale additives for powder paints**

The present invention relates to a method for the preparation of polyester resins containing nanoscale additives which are nanodispersed as a binding agent for powder paints, wherein the nanoscale additives are introduced in an outer liquid phase into the reaction mixture over the course of the resin synthesis.

The invention relates to a method for the preparation of a powder paint formulation based on polyester resins as a binding agent component as well as, optionally, on pigments, fillers and additives which are conventionally used for powder paints, wherein polyester resins are used which contain nanodispersed nanoscale additives.

The invention also comprises a powder paint formulation based on polyester resins as a binding agent component as well as, optionally, on pigments, fillers and additives which are conventionally used for powder paints, wherein the powder paint formulation contains nanoscale additives which are contained in the binding agent matrix in a nanodispersed manner.